USER MANUAL

Goldmund MIMESIS 24 UNIVERSAL PREAMPLIFIER

Congratulations.

Thank you for purchasing the Goldmund Mimesis 24.

You have acquired the best multi-usage Preamplifier ever made for professional and domestic uses.

Please take some time to read this manual. It may provide you with useful information to make your pleasure of listening to the Mimesis 24 even higher.

INTRODUCTION

The GOLDMUND MIMESIS 24 UNIVERSAL Preamplifier

Goldmund was founded in 1978 and has ever since been dedicated to the accurate reproduction of sound and image.

At Goldmund, we strive to lead in the creation, development and manufacture of the industry's most advanced technologies, including audio and video systems, home - networking and music distribution.

The guiding principle at Goldmund is to produce a precise sound with the least possible loss of quality through the different stages. Goldmund will never adopt a technology before it is sufficiently developed to satisfy the high quality standards we set. This is why Goldmund has often rejected mainstream technologies and developed its own.

W A R N I N G

This high quality preamplifier possesses new technical features which are necessary for accurate multi-channel processing of the today's best Audio Multi-channel signals.

Only careful use can provide all the satisfaction you are expecting.

All handling must be performed according to the following instructions to avoid deterioration of the preamplifier.

Nevertheless, if the instructions are carried out in full, you will notice that the use of the GOLDMUND MIMESIS 24 is quite simple and convenient.

IMPORTANT

PLEASE DO NOT CONNECT ANY CABLES OR MOVE ANY PART BEFORE READING THE FOLLOWING INSTRUCTIONS.

GOLDMUND MIMESIS 24 Universal Preamplifier

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PRELIMINARIES

Please read the following instructions very carefully. This high-precision unit will provide the best digital signal possible to your digital-input power amplifiers thanks to its unique technology.

For exacting technicians, musicians, and all amateurs who demand the very best in musical reproduction, we strongly recommend the use of top quality amplifiers with a digital input, since most of the digital signal performance delivered by the Mimesis 24 can be deteriorated by using lower quality amplifier or D/A converters.

The connections between the analog and digital sources and the preamplifier, as well as between the Mimesis 24 and the power amplifiers are also critical. Ultra low reflection interconnect cables are absolutely mandatory in analog, and precise impedance SPDIF cables in digital, to keep the time integrity that the best systems may provide. In all typical cases Goldmund recommends using the special Goldmund Lineal interconnect and digital cables

2 SETTING UP THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

2.1 UNPACKING

You will find in the package:

- the Preamplifier itself,
- the power cord,
- the remote control,
- this owner's manual.

Unpack carefully the above-mentioned parts.
Keep the whole package for future use.

ATTENTION

IF YOU NEED TO RETURN THE MIMESIS 24 TO THE FACTORY OR TO YOUR LOCAL REPRESENTATIVE FOR A WARRANTY REPAIR, **PLEASE NOTE THAT IT MUST BE REPACKED IN THE ORIGINAL PACKAGING.**

THIS PACKAGING HAS BEEN DESIGNED SPECIFICALLY TO PROTECT YOUR MIMESIS 24 IN TRANSIT. USE OF ALTERNATIVE PACKAGING IS LIKELY TO RESULT IN DAMAGE, INVALIDATING WARRANTY COVER.

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2.2

SETTING UP THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

CHOICE OF THE MIMESIS 24 LOCATION

Select a very rigid support, as required for your CD player transport.

The distance between the Mimesis 24 and the power amplifiers is usually not critical since the signal is carried in the digital domain. However, you must use coaxial links of highest quality such as the Goldmund Lineal in order to maintain the time accuracy of the signal. The Goldmund Lineal cables have been designed to maintain this accuracy and are highly recommended. For some high impedance output analogue sources, a short distance to the Preamplifier is mandatory.

If you want to achieve the best possible sonic result, select a position on a shelf or on a piece of furniture where the Preamplifier is isolated from vibrations of mechanical components, including the CD transport itself.

You must also be careful to locate your Mimesis 24 in a very well ventilated location. When powered on, the Mimesis 24, as all high quality electronic equipment, generates a significant amount of heat, which has to be evacuated by natural ventilation. For the same reason, it is perfectly normal that, after few hours of operation, your Mimesis 24 gets quite hot.

2 SETTING UP THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

2.3 POWER SUPPLY

The Goldmund Mimesis 24 uses multiple power supplies developed by Goldmund to provide totally separate voltage to each part of the digital and analog circuitry.

Your power supply has been set to operate with the mains voltage of your area. Check on the power supply voltage switch if there is any doubt. If you move after purchasing the preamplifier to an area using a different AC mains voltage, you can change the voltage by yourself or consult your local Goldmund dealer for assistance.

The power supply unit tolerates both 50 & 60 Hz mains.

2.4 FIRST INSTALLATION AND CONNECTIONS

POWER CONNECTION

Plug the AC power cord to the power supply and into a wall socket.

The Preamplifier is and remains on power as soon as the power switch located on the back panel is turned on. For best sonic results, Goldmund recommends to leave the unit powered on permanently.

The unit has a standby position that can be activated by pressing the front panel key marked “CTRL” first, then without releasing it, the “MUTE” key. A repetition of the same operation brings the unit back to normal functioning.

When the machine is in standby mode the front panel Led controls are off except the red STBY led, but the circuitry remains connected as long as the power supply switch is not turned off.

When turned ON by the back panel power switch, the unit performs a self test run by its internal software, then a software routine successively tests the modules inside the machine. If any abnormal functioning is detected, it is displayed on the front panel.

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SETTING UP THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

2.4

FIRST INSTALLATION AND CONNECTIONS

COMPUTER CONFIGURATOR

The Mimesis 24 is so versatile that the configurations in which it can be used are limitless. In order to set the unit to work in your own configuration, a Windows configurator is available on our web site. The installer or dealer who is setting up the machine must download this program in any Windows compatible machine and run it to describe the environment in which the machine will be used. A serial cable (null-modem type) linking the computer with the Mimesis 24 will be used to download the resulting configuration into the Mimesis 24. The Configuration software is provided with a small "Readme" file which explains its functions.

SOURCES CONNECTION

Connect the analogue sources or tape machines to the back panel analog inputs and the digital sources to the digital inputs of the Goldmund Mimesis 24, using the RCA input connectors for analog sources and the choice of RCA for SPDIF, XLR for AES-EBU or optical for the digital sources.

The inputs are numbered on the back panel. The 2 tape outputs are separated. The 2 first analog inputs (IN1 and IN2) are for 6 channel units like SACD players or DVD Audio players.

Start connecting your favorite 2-channel analog sources from IN3 up to IN7.

Analog inputs have a level adjustment inside the machine, channel per channel. When the machine cover is removed, this adjustment is accessible on the right side of the Printed Boards by a combination of 2 switches per analog input channel.

For each one there are 3 possible levels:
(switch positioning is drawn on the right side of the Printed Board)

	Left Switch	Right Switch
Input level max: 1. 16V peak-peak	left	right
2. 7.5V peak-peak	left	left
3. 1.5V peak peak	right	any

In most cases, we recommend **position 2**.
In very high level DVD outputs you may have to switch to **level 1**.
Level 3 is only for very low level sources like some phono preamplifiers.

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SETTING UP THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

2.4

FIRST INSTALLATION AND CONNECTIONS

SOURCES CONNECTION (contd.)

If you use analog tape machines, their analog output can be connected to any of the available inputs. The Menu Functions of the Mimesis 24 will allow you to dedicate any input to a tape machine and automatically avoid the input-output loop accordingly.

The analog tape outputs are connected in parallel, except when the connected tape machine is in monitoring.

You can use a maximum of 2 analog tape machines with all possible copy functions. You can connect more units for listening purpose but they won't be able to record simultaneously.

Digital inputs are also numbered from IN1 to IN7. Digital tape machines may be connected to one or more specific output zones as defined in the Computer Configurator.

When all input sources and tape machines are connected, connect the local zone digital output RCA jacks to the digital-input power amplifiers, using high quality digital cables like the Goldmund Lineal. For use in multi-channel systems, up to 5 first RCA outputs are selected depending on the zone configuration established in the Computer Configurator *(see its readme file for more details)*.

The Db9 connector available on the power supply module on the back panel of the Mimesis 24 is used to link the Mimesis 24 to an external computer or control unit in order to control all the functions of the Preamplifier.

They can be also needed to link the Mimesis 24 to a computer for program changes, and initial configuration loading.

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OPERATING THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

3.1

FRONT PANEL KEYBOARD FUNCTIONS

- Standby function:

The Standby position can be activated by pressing the front panel key marked “CTRL” first, then without releasing it, the “MUTE” key.

A repetition of the same operation brings back the unit to normal functioning.

When the machine is in standby the front panel Led controls are off except the red “SBY” Led, but the circuitry remains connected as long as the power supply switch is not turned off.

In Standby, all local zone outputs are muted.

- Input Source Selection for the Local Zone:

The back panel inputs are selected by pressing the front panel keys marked from “CH1” to “CH7”.

When only one of these keys is pressed and you were listening to a analog source, the corresponding source is selected and transmitted to the unit for the corresponding zone.

The corresponding green Led indicates this selection.

To activate one of the 7 digital inputs, click twice on the channel you want to listen to.

After you have selected one of the digital inputs, the Mimesis 24 will be in the “digital input” mode and the next channel you will click once will again select a digital input.

If you want to select an analog input you will have once again to click twice on the needed channel key to return in the analog mode.

When a digital input has been selected, the corresponding key will light in green as soon as the digital source has locked to the source frequency.

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OPERATING THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

3.1

FRONT PANEL KEYBOARD FUNCTIONS

- Input Source Selection for other Zones:

The zone selection is made by turning the left knob.

The selected zone appears on the first 2 digits of the display.

Browse the existing zones *(Zone creation is made in the configurator program during the initial machine installation).*

When you have reached the zone you want to change the input for, select it by pressing the "MODE" key and then select the input using the 7 channel keys, as for the local zone.

The back panel inputs are selected by pressing the front panel keys marked from "CH1" to "CH7".

When only one of these keys is pressed and you were listening to an analog source, the corresponding source is selected and transmitted to the unit for the corresponding zone. The corresponding green Led indicates this selection.

To activate one of the 7 digital inputs, click twice on the channel you want to listen to.

After you have selected one of the digital inputs, the Mimesis 24 will be in the "digital input" mode and the next channel you will click once will again select a digital input. If you want to select an analog input you will have once again to click twice on the needed channel key to return in the analog mode.

When a digital input has been selected, the corresponding key will light in green as soon as the digital source has locked to the source frequency.

- Recording Source Selection:

Any source can be selected to be recorded independently from the source which is played *(it can be the same or a different one)*.

To select the source that will be recorded, first use the left knob to browse to select one of the recording zones set up in the computer configurator. From factory, the zone 17 is set to the analog tape machine and zones 13, 14, 15 and 16 for the digital recording machines.

When you reach the zone corresponding to the machine you want to record to, select it by pressing once the "MODE" key, then select the source to record on this recording machine by pressing one of the channel keys.

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OPERATING THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

3.1

FRONT PANEL KEYBOARD FUNCTIONS

- Output Volume Adjustment:

The level control may be adjusted by hand or by remote control. It acts only on the Local zone and for all channels simultaneously if the unit is playing a multi-channel source.

- Balance Adjustments:

To adjust the various speaker balances in multi-channel or stereo, press the “BAL” key and turn the left knob to select which balance to adjust. In stereo only the right-Left balance can be adjusted, so the left button has no action.
Adjust the selected balance using the right knob.

- Muting:

To mute the preamplifier output, press the “MUTE” key. The same operation repeated brings back the preamplifier to normal operation.

- Mode selection:

Depending on the capabilities of the source you have selected to listen in the local Zone, several modes may be accessible.

A stereo source will allow different playback modes than a DVD, for example.

To see the zone selection, press the “MODE” key.

Then, the left knob allows you to browse the possible modes existing for the source you have selected.

When you reach the mode you want to select, press the “MODE” key to select it.

The playback will be changed accordingly.

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OPERATING THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

3.1

FRONT PANEL KEYBOARD FUNCTIONS

- The Setup Menu Functions:

Your Mimesis 24 may be personalized thanks to the Menu Functions.
Your personal choice for each Menu Function is kept in machine memory even if the machine is disconnected from power.

To enter the Menu Function selection,

Press “CTRL” and, without releasing it, press the “MODE” key. You are entering the Menu mode.

Press the “MODE” key until you reach the Menu Function you want to modify.

The existing Menu Functions are:

- **Display Brightness:** to adjust the display brightness (100%, 80%, 53%, 40%, 27%, 20%, 13%)
- **Display Time:** To select the display as permanent or only temporary with the temporary time adjustable (5s, 10s, 15s, 20s, 25s, 30s)

To leave the Menu function selection

- If you have made any modification, pressing again the “CTRL” key and the “MODE” key will make you immediately return to normal operation.

- If you have not made any modification you may also return immediately to normal operation by pressing first the “MODE” key then the “CTRL” key and the “MODE” key.

- If you leave the Preamplifier unattended for 10 seconds, it will also automatically return to normal operation.

Note: *If, after modifying one function, you press again the “CTRL” key and the “MODE” key, you will immediately quit the Menu Functions.*

3

OPERATING THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

3.2

REMOTE CONTROL

Your Mimesis 24 has built-in remote-control for volume, balance and input selection.

The Mute circuit can also be controlled using the remote. To mute or de-mute the Mimesis 24 with the remote, press the "MUTE/STBY" key briefly.

To put the Mimesis 24 in Standby mode, press the "MUTE/STBY" key continuously until the Mimesis 24 goes to Standby, indicated by the Standby Led on the front panel.

The remote control is used for controlling only the local zone.

The SCREEN and LIGHT keys will be used in future applications.

The VOL+ and VOL- are adjusting the global volume of the local zone.

The 4 balance keys (diamond configuration) are controlling the right/left and front/rear balance directly, maintaining a constant global volume.

The 1 to 7 keys are selecting the source to listen.

MODE key: selection of a mode for adjustment of the format and menu functions.

CALIB key: Lights the leds selecting the remote red-inscribed functions, to adjust the level of center and Subwoofer channels when in multi-channel operation. To deactivate, press the CALIB key again.

TEST: activates the pink noise.

In the Test mode:

- Use the balance RIGHT and LEFT keys of the "diamond" to select one channel at a time. The balance front and rear keys are used for adjusting the selected speaker level.
- The IN4 key makes all speakers play the pink noise together.
- The IN1 key returns the pink noise only to the selected speaker.
- The IN3 key stops the pink noise from all speakers.
- The IN2 key is a toggle switch for the pink noise on the selected speaker.

The corresponding keys of the Mimesis 24 front panel provide the same functions.

3 OPERATING THE MIMESIS 24 UNIVERSAL PREAMPLIFIER

3.2 REMOTE CONTROL (contd.)

In the TEST mode, Leds of the front panel indicate the speaker selection:

In Multi-channel mode, this is the meaning of the Leds:

- MODE and BALANCE (ENTER) on: indicates a Front selection
- CTRL and MUTE on: indicates a Rear selection
- IN2 on: means a left speaker (either front or rear)
- IN6 on: means a right speaker (either front or rear)
- IN4 on: Front or Rear Center
- IN3+IN4+IN5+MODE+BALANCE(ENTER)+CTRL+MUTE: Subwoofer

In 2-Channel mode:

- IN2 led on: Left channel
- IN6 led on: Right channel

The Mimesis 24 can be controlled by any RC5 coded remote-control emitter. The codes are available upon request.
Most of the programmable transmitter units available have the capabilities to drive the Mimesis 24 as a standard digital preamplifier, for all the specified functions.

3.3 CLEANING

Always disconnect the power cord from the wall socket before cleaning your Preamplifier.

To clean the external metal of the Preamplifier, always use a clean, soft, damp cloth. Dampen with water or a mild detergent solution. Avoid abrasive or harsh cleansers (eg. products containing sodium carbonate).

The identification plates are gold plated. Simply clean them with a soft cloth, without any chemical solution.

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TECHNICAL DATA

INPUTS AND TAPE CONFIGURATION

- 2 analog 6-channel inputs.
- 5 analog 2-channel inputs.
- 7 digital inputs (3 x RCA, 2 x XLR, 1 x Toslink optical, 1 x ATT optical). Any one can be selected to receive multi-channel encoded signal by the software configurator.
- 2 analog tape loops with tape inputs using any input channel. Separate recording loop allowing to select a source for listening independently from the source recorded. 2 analog stereo tape outputs in parallel.

DIGITAL OUTPUTS

- 16 Digital RCA SPDIF outputs with 2 channels for each.
- Front panel and remote-control adjustable level control with more than 102 dB range and 0.2dB accuracy in the 0->-50dB range.

REMOTE CONTROL

- RC5 Standard remote system compatible with standard programmable remote control transmitter (codes available on request).
- Volume and balance control.
- Selection of the source and the recorded source.
- Remote Muting.

4

TECHNICAL DATA

FRONT PANEL CONTROLS

- 11 keys for all machine functions including the menu controls.
- Individual control by Leds of the input selected for listening.
- 24 characters alphanumeric display with adjustable brightness and disable function to display the status of the machine.
- Separate Led display of Standby (red).

POWER SUPPLY

- Power transformers molded in a decoupled mechanical block with separate Mechanical Grounding transmission through the 2 left feet.
- 4 separate transformers.
- 6 separately regulated power supplies.
- Nominal AC line voltage : 117 V or 234 V.
- Input voltage range : +/- 15%.
- Maximum power consumption : 55 W.

GROUNDING

- Separated ground and earth connections to control ground loops.

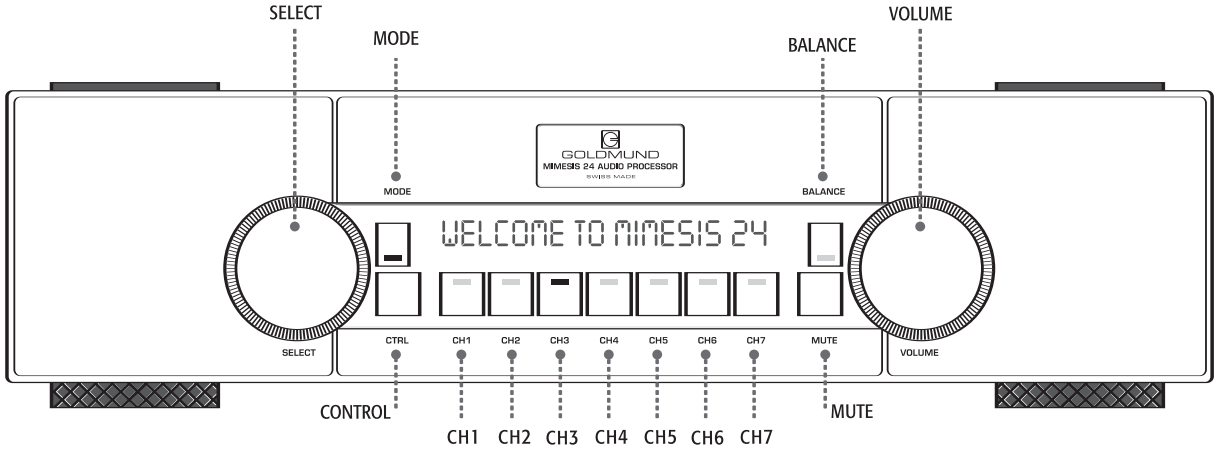
SIZE AND WEIGHT

- 44 cm W x 43 cm D x 10.7 cm H.
- 20 kg.

WARRANTY

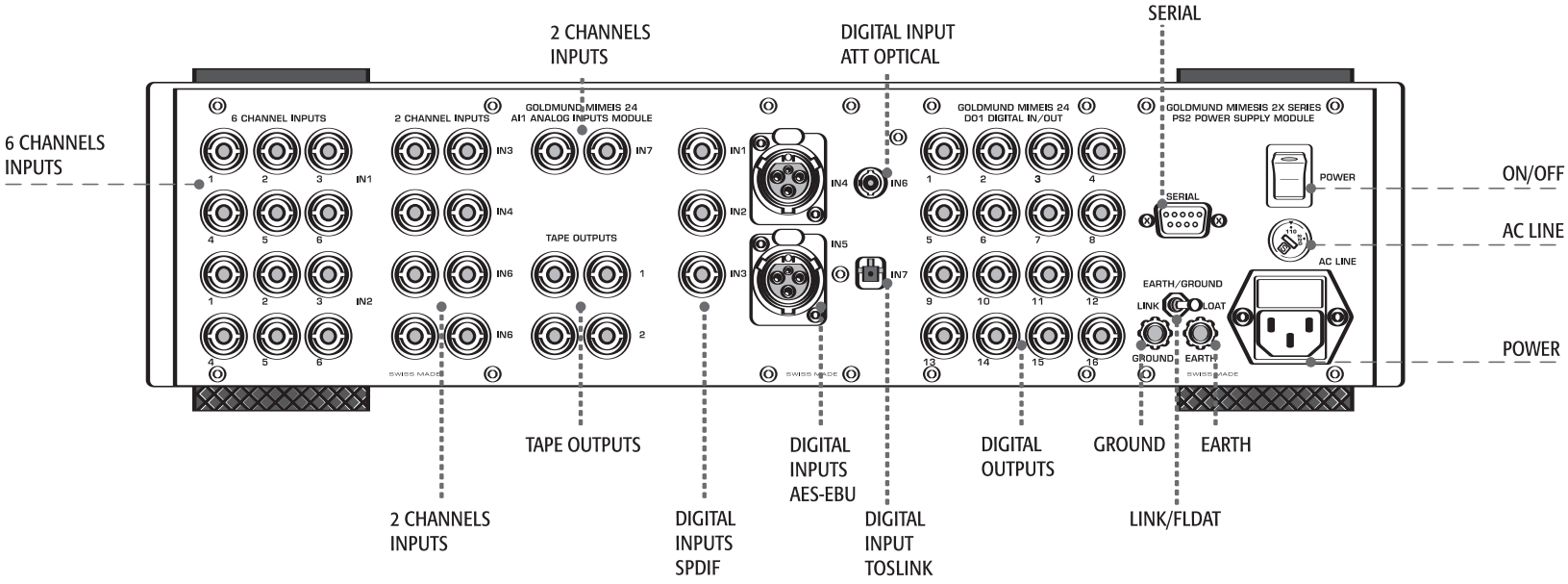
- 3 years parts and labor.

SCHEMA



GOLDMUND MIMESIS 24 UNIVERSAL PREAMPLIFIER | Front Panel

SCHEMA



GOLDMUND MIMESIS 24 UNIVERSAL PREAMPLIFIER | Back Panel